

Maryland Historical Trust

Maryland Inventory of Historic Properties number: B-4629

Name: US 1 over Herring Run

The bridge referenced herein was inventoried by the Maryland State Highway Administration as part of the Historic Bridge Inventory, and SHA provided the Trust with eligibility determinations in February 2001. The Trust accepted the Historic Bridge Inventory on April 3, 2001. The bridge received the following determination of eligibility.

| MARYLAND HISTORICAL TRUST | |
|---|-----------------------------------|
| Eligibility Recommended <u>X</u> | Eligibility Not Recommended _____ |
| Criteria: <u> </u> A <u> </u> B <u>X</u> C <u> </u> D Considerations: <u> </u> A <u> </u> B <u> </u> C <u> </u> D <u> </u> E <u> </u> F <u> </u> G <u> </u> None | |
| Comments: _____ | |
| | |
| Reviewer, OPS: <u>Anne E. Bruder</u> | Date: <u>3 April 2001</u> |
| Reviewer, NR Program: <u>Peter E. Kurtze</u> | Date: <u>3 April 2001</u> |

MARYLAND INVENTORY OF HISTORIC BRIDGES
HISTORIC BRIDGE INVENTORY
MARYLAND STATE HIGHWAY ADMINISTRATION/
MARYLAND HISTORICAL TRUST

MHT No. B-4629

SHA Bridge No. BC 4402

Bridge name US 1 over Herring Run (Belair Road Bridge)

LOCATION:

Street/Road name and number US 1 (Belair Road)

City/town Baltimore City Vicinity

County Baltimore

This bridge projects over: Road Railway Water X Land

Ownership: State County Municipal X Other

HISTORIC STATUS:

Is bridge located within a designated historic district? Yes X No

National Register-listed district National Register-determined-eligible district

Locally-designated district X Other

Name of district Parkside/Gardenville

BRIDGE TYPE:

Timber Bridge :
Beam Bridge Truss -Covered Trestle Timber-And-Concrete

Stone Arch Bridge

Metal Truss Bridge

Movable Bridge :
Swing Bascule Single Leaf Bascule Multiple Leaf
Vertical Lift Retractable Pontoon

Metal Girder :
Rolled Girder Rolled Girder Concrete Encased
Plate Girder Plate Girder Concrete Encased

Metal Suspension

Metal Arch

Metal Cantilever

Concrete X :
Concrete Arch X Concrete Slab Concrete Beam Rigid Frame

Other Type Name

DESCRIPTION:**Describe Setting**

Bridge BC 4402 carries US 1 (Belair Road) over Herring Run in Herring Run Park in Baltimore, Maryland. US 1 runs in a generally northeast-southwest direction over the southern flowing Herring Run in the northeast section of the city. The bridge is located in a park in a residential area. The bridge carries 4 lanes of traffic with 2 lanes in each direction.

Describe Superstructure and Substructure:

Bridge BC 4402 is a single span, 4-lane, filled spandrel concrete arch bridge. The bridge is 57 feet long, and has a clear span of 52 feet. The arch has a 12 foot 4 inch rise from springline to crown. The bridge carries a 63-foot clear roadway, with a bituminous wearing surface over earthen fill. There are 2 exterior sidewalks, each measuring 6 feet. The overall width of the bridge is 78 feet 5 inches. There is a pierced parapet 3 feet 8 inches high.

The exterior parapets are pierced and have top coping, and are supported by small corbels. There is an incised arch ring at each side face of the bridge. The abutments are full height, cantilevered, reinforced concrete and have stepped footings. The front corner of each abutment has a full height pilaster. On top of the ornamental endblock of each pilaster was a globed cast-iron ornamental luminary. The abutments have solid parapets with 2 incised panels flanked by endblocks.

According to a 1995 inspection report, the bridge is in fair condition with some spalling at the abutments. The sufficiency rating of the bridge is 67.6.

Discuss Major Alterations:

The south abutment footing was rehabilitated in 1988, due to extensive erosion.

HISTORY:

WHEN was bridge built? 1925

WHY was bridge built? To replace an existing narrower structure at the same location in conjunction with widening work performed on Belair Road in this area of Baltimore City.

WHO was the designer? City of Baltimore Department of Public Works

WHO was the builder? City of Baltimore Department of Public Works

WHY was bridge altered? To make repairs to arch footing due to stream erosion.

Was bridge built as part of an organized bridge-building campaign? No, this bridge was not built as part of an organized bridge building campaign.

SURVEYOR/HISTORIAN ANALYSIS:

This bridge may have National Register significance for its association with:

A - Events X B- Person

C- Engineering/architectural character X

This bridge was determined eligible by the Interagency Review Committee in September 1996.

Was bridge constructed in response to significant events in Maryland or local history?

Yes, the Belair Road Bridge was constructed in response to significant events in Baltimore, most notably the development and growth of the northeast section of the city after World War I, due to an influx of immigrants and returning war veterans. The work for 6 roads within Baltimore County was undertaken concurrently with work within Baltimore City. Coordination between the two jurisdictions was needed to insure correct alignments of bridge approaches, and surfaces. The State Roads Commission was forced to build with almost identical plans as the City construction and in some cases an expensive construction cost was unavoidable.

One of these 6 roads was Belair Road. The improvement of this corridor was at the heart of the "Seven Year Plan". Beginning in 1908 a contract was let on sections of Bel Air from the City Limits to Taylor Avenue (about 3 miles). Although only a 3-mile section of the road was paved and graded, the replacement of timber bridges along the corridor would have fallen within the scope of the "Seven Year Plan." By 1930 the corridor had proceeded into Harford County and new bridges were being built to accommodate the widened roads.

When the bridge was built and/or given a major alteration, did it have a significant impact on the growth & development of the area?

Yes, in conjunction with the widening of the rest of Belair Road, the northeast section of Baltimore City and the surrounding portion of Baltimore County saw a significant increase in population as well as commerce along this busy corridor. As many people relocated to the newer houses built in the years after WW I, businesses were attracted to the US 1 corridor.

Is the bridge located in an area that may be eligible for historic designation?

Yes, the bridge is located in the Parkside/Gardenville district.

Is the bridge a significant example of its type?

Yes, this bridge is a significant example of a concrete arch bridge built by the City of Baltimore Department of Public Works in the 1920s.

Does bridge retain integrity of important elements described in Context Addendum?

Yes, Bridge BC 4402 does retain the integrity of all its primary and secondary character defining elements.

Is bridge a significant example of work of manufacturer, designer and/or engineer?

Yes, this bridge is a significant example of a concrete arch bridge built by the City of Baltimore Department of Public Works in the 1920s.

Should bridge be given further study before significance analysis is made?

No, this bridge does not require further study.

BIBLIOGRAPHY:

County inspection/bridge files ____ SHA inspection/bridge files ____ Other (list):

City of Baltimore, Department of Public Works, Bureau of Transportation, Bridge Design Section Department Records.

SURVEYOR/SURVEY INFORMATION:

Date bridge recorded September 12, 1996

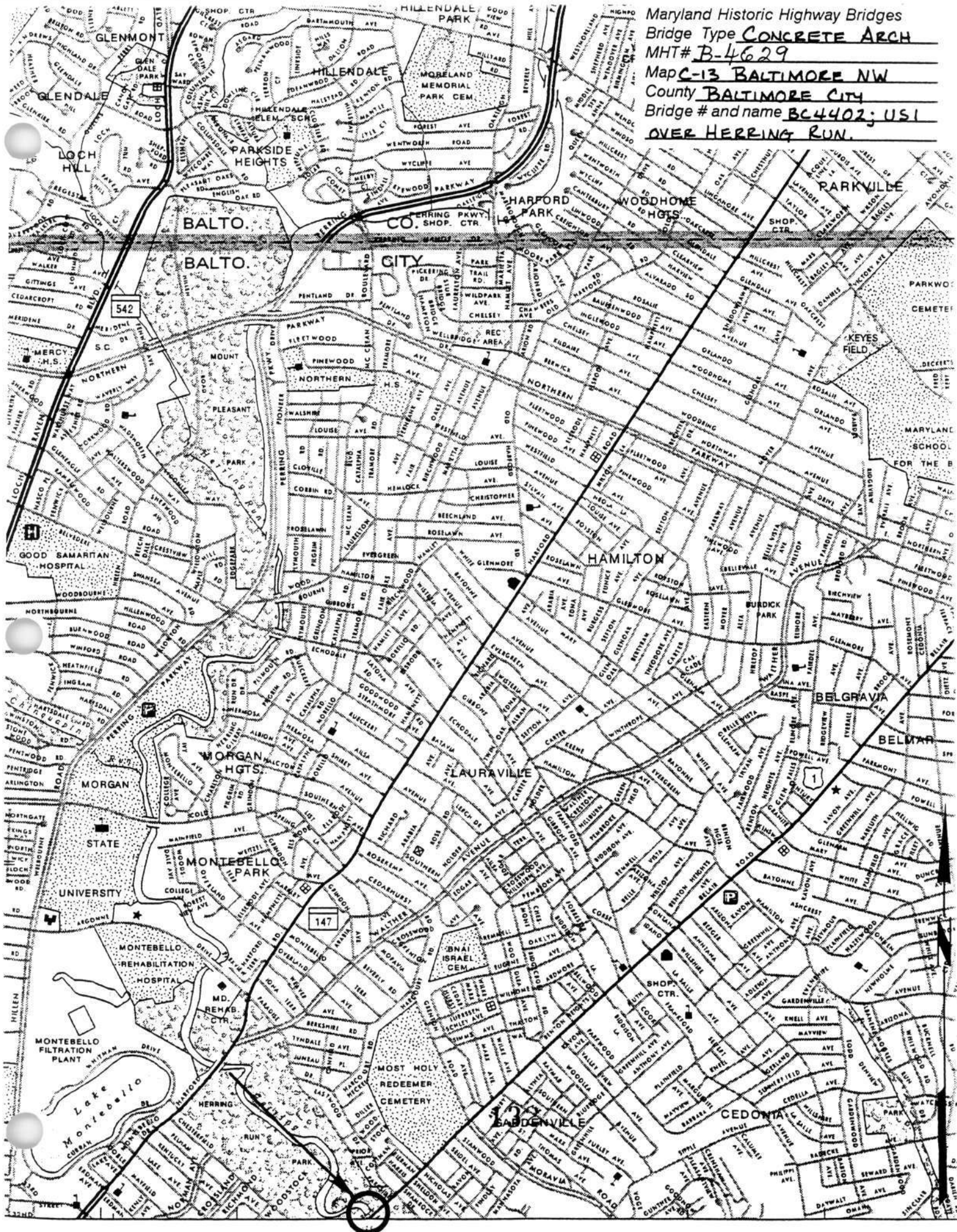
Name of surveyor James T. Aguirre

Organization/Address State Highway Administration, 707 North Calvert Street, Baltimore, MD

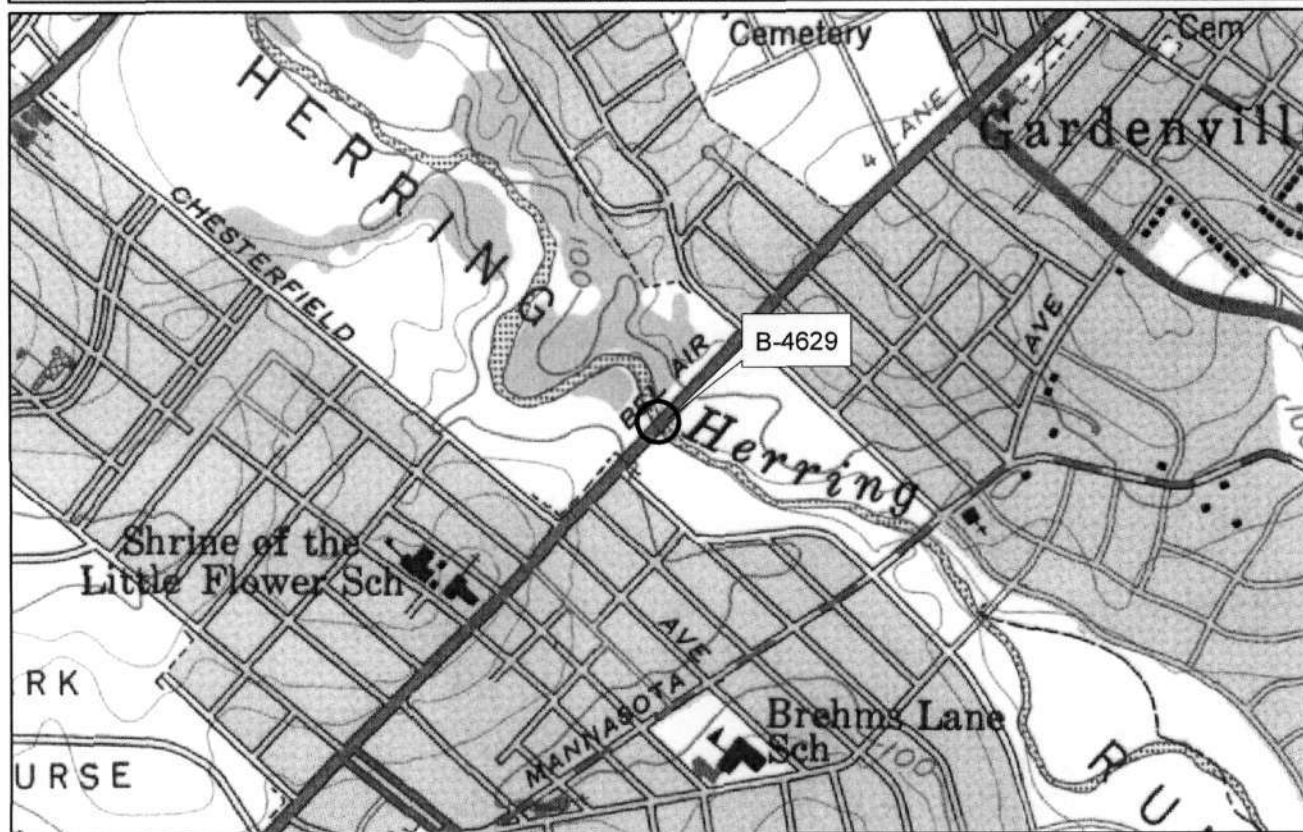
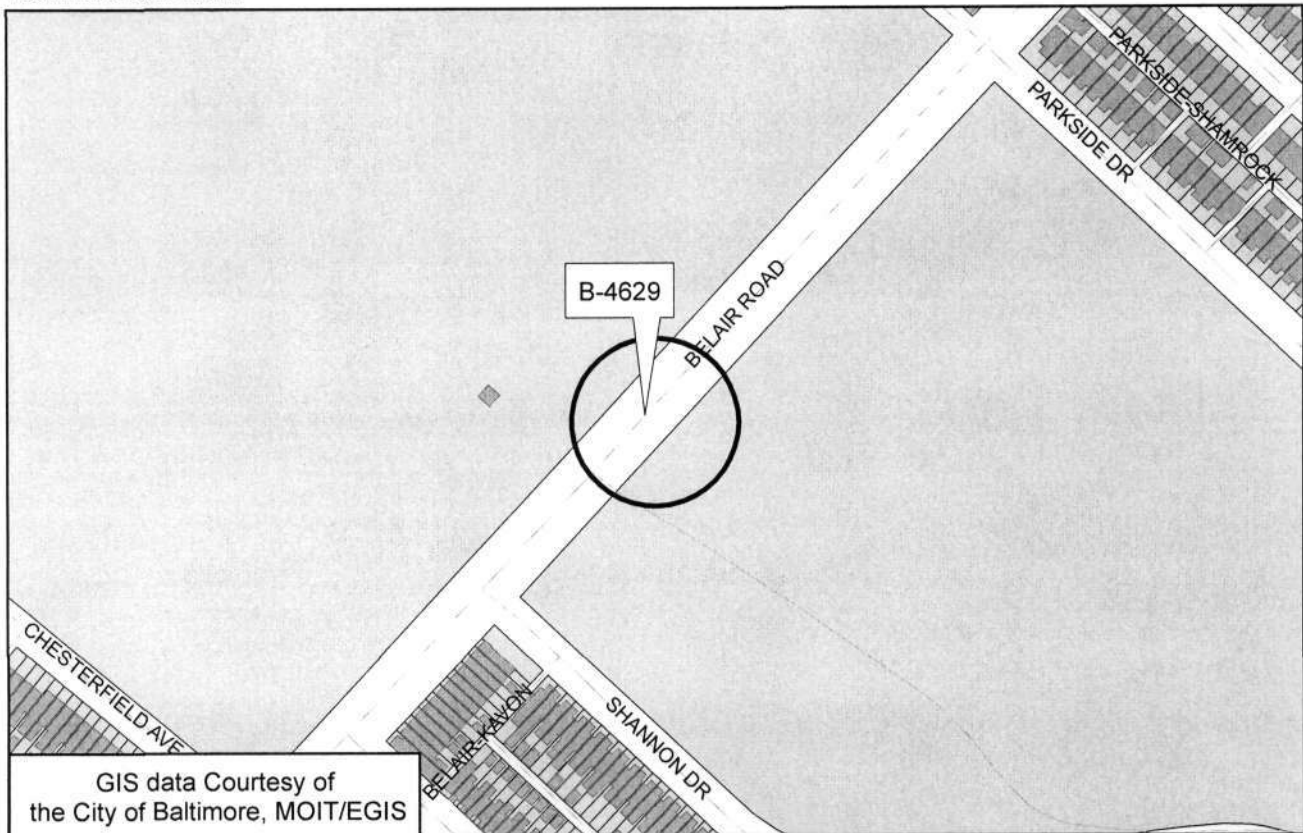
Phone number 410-545-8559

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Maryland Historic Highway Bridges
Bridge Type CONCRETE ARCH
MHT# B-4629
Map C-13 BALTIMORE NW
County BALTIMORE CITY
Bridge # and name BC4402; US1
OVER HERRING RUN.



B-4629
Belair Road Bridge, Bridge BC 4402
Belair Road (US 1) over Herring Run
Baltimore City
Baltimore East Quad





1. B-4629
2. US 1 over Herring Run (Belair Road Bridge)
3. Baltimore City, MD
4. Wallace, Montgomery & Assoc.
5. 12/97
6. MD SHPO
7. Elevation looking downstream
8. 1 of 4



1. B-4629
2. US 1 over Herring Run (Belair Road Bridge)
3. Baltimore City, MD
4. Wallace, Montgomery & Assoc.
5. 12/97
6. MD SHPO
7. Elevation looking upstream
8. 2 of 4



1. B-4629
2. US 1 over Herring Run (Belair Road Bridge)
3. Baltimore City, MD
4. Wallace, Montgomery & Associates
5. 12/97
6. MD SHPO
7. Looking South
8. 3 of 4



1. B-4629
2. US 1 over Herring Run (Belair Road Bridge)
3. Baltimore City, MD
4. Wallace, Montgomery & Associates
5. 12/97
6. MD SHPO
7. Looking North
8. 4 of 4